

INFORMATION REPORT

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Experimental Section

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New Orders for Experimental Developments at the Oberspreewerk (OSW) Berlin (SAG)

1. Orders for experimental developments center on the television program (Section T2). The third floor of the Development Plant is being completely rebuilt for the program of Section T2. The new 9" picture tube is assigned for television reception. Wave lengths from 3 to 3.6 meters are assigned for television transmission in the DMR. Testing of the 9" picture tube takes place at 4 to 4.5 meters. For the testing of the 9" tube a vibrating device is being constructed in the office of Dr. Schiller. The device permits horizontal and vertical vibrations. The deflecting system for the 9" tube is being taken over by the Russian television receiving set "Leningrad". Construction is projected for mass production. A television transmitter projected for the DMR is to get the following technical elements: for transmission of sounds, an output stage with a 1 kw tube is projected by OSW; for transmission of pictures, an output stage with a 10 kw tube is projected. For the preceding stage the following are being used:

3 kw symetron (sic) (three 1 kw tubes);
1 kw output stage of the sound transmitter;
250 w of the sound transmitter.

Only circular potentiometers (Topfkreise) are projected for this (sic). The device is variable between 3 and 3.6 meters.

2. On 17 August 1951 it became known at OSW that the entire development work of Funkwerk K penick (VVB (2) RT) (formerly Gema- Berlin) has now been turned over to OSW. Funkwerk K penick is now only a production plant. The projected television transmitters and film scanning devices (Filmabtaster) are to be mass produced by Funkwerk K penick. The required elements are to be worked out accordingly at OSW.

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3. The projected television station at Berlin-Adlershof is still unable to start transmissions. The camera is not yet ready. In particular the iconoscopes are not yet functioning. They were built at OSW and sent untested to Adlershof because OSW has no testing equipment for this purpose. A dia (sic) scanning device (Dia-Abtaster) is already at Adlershof. The film scanning device (Filmabtaster) is still unfinished at OSW. The target date for the 3-kw stage of the station at Adlershof is the end of 1951. The 10-kw stage is to be complete in the course of 1952. A development technician named Jesche is now working as specialist for the iconoscopes at OSW. He has returned from Russia as a specialist, and his attitude is pro-Western.
4. At present, communication links (Richtverbindungen) are being tried out with parabolic mirrors at OSW, employing a wave length of three centimeters.
5. Lacking a transmitter of their own, the OSW television receivers are tested with the aid of the RIAS experimental transmissions.
6. A new television home receiving set which is to be sold commercially at a price of about DM 1000.-- (East) is being developed by (fnu) Petkoschek at OSW. This receiving set is to be shown as early as the Leipzig Fair. Petkoschek was at Telefunken in Hannover for a quarter of a year and developed television receiving sets there. Dr. Eckard of OSW got him back from there.

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